



## UWA Plus Micro-credentials

### *Critical Information Summary*

Title and brief description	PHYSM122 ATAR Physics for Teachers: Year-12 Syllabus. In this micro-credential participants will study the new year-12 Physics ATAR syllabus, focusing on Science Understanding. Topics covered include Gravity, Relativity, Electromagnetism, Quantum Physics, and Cosmology.
Certified learning	(1) explain the theories of physics at the level of the year-12 ATAR syllabus; (2) solve numerical problems at the level of the year-12 ATAR syllabus; (3) analyse a physical system in terms of the theories of physics in the year-12 ATAR syllabus to draw conclusions about the system's properties and/or behaviour; (4) evaluate and grade a given solution to a question at the level required for the year-12 ATAR syllabus; (5) develop and deliver a lesson to teach a given part of the theories of physics in the year-12 ATAR syllabus; and (6) create an assessment task and grading key based on one or more theories of physics at the level of the year-12 ATAR syllabus.
How learner participated	Onsite only
Effort required (indicative)	lectures 18 hours practice classes: 34 hours homework assignments: 17 hours presentation preparation: 4 hours presentation class: 2 hours TOTAL = 75 hours
Main assessment task	Application of multiple skills to routine problems, Application of multiple skills to complex problems
Indicative equivalent level	Postgraduate
Industry recognition	Approved as part of the Department of Education LEAP programme.
Quality assurance	The quality of UWA Plus micro-credentials is assured through The University of Western Australia's standards and academic integrity processes.
Successful learner earns PD Points for conversion to:	3
. Admission to an award course	No
. Credit towards an award course	Yes
. If yes, how much credit?	Credit is less than one unit